

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/000523

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. 7: G01D 5/14, 5/16, G01B 7/14, G01P 3/52, G12B 21/04, 21/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
DWPI: quantum and tunnel+ and current, displacement or position of transducer or separation or gap; /ic g12b-021, parallel, elongate or wire?, hing+, +bearing+, /ic b81b or b81c or b82b or h011
INSPEC: michalewich/au, quantum

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2000/014476 A1 (MICHALEWICZ) 16 March 2000 Page 8, lines 7-21; figures 3, 5, 6	
A	WO 1997/020189 A1 (SMITHS INDUSTRIES PUBLIC LIMITED) 5 June 1997 Abstract; claim 1; figure 1	
A	US 4806755 A (DUERIG et al.) 21 February 1989 Whole document	

☐ Further documents are listed in the continuation of Box C ☒ See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
6 May 2004

Date of mailing of the international search report
14 MAY 2004

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
WO 0014476		AU 60690/99		BR 9913502		CA 2343261	
		EP 1135665		US 6707308		ZA 200101914	
WO 9720189		AU 76317/96		EP 0864074		US 6092423	
US 4806755		AU 79211/87		BR 8704432		EP 0262253	
		JP 63091502					
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.							
END OF ANNEX							